

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 11/7/2014 Page 1 of 2

TO: Tony Anziano, Program Manager /		FILE: E.A. 04 - 0120F4		
FROM: Darryl Schram, Senior TE		CO-RTE-PM SF-80-13.2/13.9		
FED. NO. No				
CCO#: 174	SUPPLEMENT#: 1	Category Code: CHSA	CONTINGENCY BALANCE (incl. this change) \$25,484,992.86	
COST: \$25,590.00		INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>	HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00		IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
CCO DESCRIPTION: Additional Misc. Elevator Details		PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE		
Original Contract Time: 2490 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 630 Day(s)	Percentage Time Adjusted: (including this change) 25 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 2

THIS CHANGE ORDER PROVIDES FOR:

Modifying support angles and wire mesh panels on elevator safety enclosures. Furnishing and installing padding in the control room and low overhead clearance and high voltage signs.

Special Provisions Section 10-4.05 "ELEVATOR," subsection "DECISION AND ORDER" is revised.

Contract Change Order (CCO) 85 "Elevator Details" made revisions to the elevator including adding safety enclosures at strut facades without elevator stops. During installation of the safety enclosures, interferences were discovered between the frames and the Tower landings. Support angles will be coped to resolve interference between the Tower seal angle bolts and safety enclosure frames. The lower support angle on the safety enclosure frame at elevation 143 M will be modified to resolve interference with the grillage splice plate. During fabrication, the buildup of stress while banding and fabricating the sharp 19 mm x 19 mm bent corrugation pattern caused the wire mesh panels to break. Therefore, the corrugation pattern will be softened with a 38 mm x 16 mm pattern that eliminates wire oversteering.

American Bridge / Fluor Enterprises Inc., A Joint Venture (ABFJV) will install padding and signs under this change order (CCO 174 S1) and USA Hoist will perform additional modifications under CCO 275 "Additional USA Hoist Elevator Details" to comply with variances granted by the Department of Safety and Health (DOSH). Padding will be installed at points of low overhead clearance in the control room to prevent head injuries to maintenance personnel working in the area. Signs will be installed on the control room door warning of low overhead clearance and along the entire length of the conductor bars warning of high voltage. Additional high voltage signs will be procured and stored for future use.

The total cost of this change order is \$25,590.00 lump sum, which can be financed from the contingency fund. The cumulative total of CCO 174 S0 and S1 is \$230,759.00. A detailed cost analysis is on file.

No time adjustment is warranted as this change order does not affect the controlling operation.

This change order has concurrence from William Casey (Supervising TE), Rich Foley (HQ Oversight), Wenyi Long (Bridge Design), Jing Chen (District Design), and Lina Ellis (Maintenance).

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CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	William Casey, Sup TE	Date 1/24/13	THIS REQUEST		TOTAL TO DATE
Bridge Engineer:	CT Oversight, Wenyi Long, P.E.	Date 1/29/13	ITEMS	\$0.00	\$2,035.00
Project Engineer:	District Design, Jing Chen	Date 2/5/13	FORCE ACCOUNT	\$0.00	\$0.00
Project Manager:		Date	AGREED PRICE	\$25,590.00	\$25,590.00
FHWA Rep.:		Date	ADJUSTMENT	\$0.00	\$203,134.00
Environmental:		Date	TOTAL	\$25,590.00	\$230,759.00
Other (specify):	HQ, Rich Foley	Date 1/28/13	FEDERAL PARTICIPATION		
Other (specify):	Struct. Maint, Lina Ellis	Date 1/30/13	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
District Prior Approval By:		Date	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
HQ (Issue Approve) By:		Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
Resident Engineer's Signature:		Date	FEDERAL FUNDING SOURCE PERCENT		
					